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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,436	03/03/2004	Alfred E. Crouch	800736	2435
23372 7	590 02/15/2005		EXAMINER	
TAYLOR RUSSELL & RUSSELL, P.C. 4807 SPICEWOOD SPRINGS ROAD			PATIDAR, JAY M	
·	WO SUITE 250	ART UNIT	PAPER NUMBER	
AUSTIN, TX	78759		2862	
			DATE MAILED: 02/15/200:	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/708,436	CROUCH ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jay M. Patidar	2862				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	B6(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status	•					
1) Responsive to communication(s) filed on	•					
2a) ☐ This action is FINAL . 2b) ☑ This						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-30</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,2,5,7,13-15,18,20 and 26-28</u> is/are	☑ Claim(s) <u>1,2,5,7,13-15,18,20 and 26-28</u> is/are rejected.					
7) Claim(s) 3,4,6,8-10,12,16,17,19,21-23,25,29 a	· · · · · · · · · · · · · · · · · · ·					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>03 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a) All b) Some * c) None of:						
1. Certified copies of the priority documents		ion No				
2. Certified copies of the priority documents	·					
3. Copies of the certified copies of the prior application from the International Bureau	•	eu III (IIIS Ivalional Stage				
* See the attached detailed Office action for a list	· · · · · · · · · · · · · · · · · · ·	ed.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail D 5) Notice of Informal F	eate Patent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	····· [[] [[] [[] [[] [[] [[] [[]				

- 1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,2,5,7,13,14,15,18,20,26,27,28 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicants admitted prior art in view of King et al. (4,408,160).

As to claims 1,14,27, applicants admitted prior art discloses an apparatus for in-line measurement by Barkhausen noise detection with a means for creating one or more magnetic fields circumferentially positioned in a pipeline (note para 0004), and moving parallel with an axis of the pipeline (para 0004, line 6); means for sensing Barkhausen noise signals (para 0011) at one or more surfaces of the pipeline wall created by the one or more magnetic fields for determining stress magnitude and corresponding locations of stress (para 0011, last line) in the pipeline wall. Applicants admitted prior art does not explicitly disclose the use of means for amplifying, filtering, detecting, multiplexing and storing the sensed

Barkhausen noise created by the moving magnetic fields. These features are well known in the art as disclosed in King. King teaches to use amplifying, filtering, detecting and storing means to process the signal outputted by the sensors. The use of multiplexing is known for its use with multiple sensing devices. Consequently, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of applicants admitted prior art to have included these features as taught by King since these features are known in the art for processing the signals from the sensing devices. The method claims recited for using the apparatus in claims 1-2,5,7,13 are an inherent use of the apparatus of applicants admitted prior art in view of King and are rejected on the same grounds. One of ordinary skill would find it inherent that the apparatus of AAPA modified with king operates in the functional manner claimed by applicant.

As to claims 2,5,7,13,15,18,20,26,28, the structure of the inspection pig is known in the art as disclosed in para 0004.

3. Claims 3-4,6,8-10,12,16-17,19,21-25,29-30 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay M. Patidar whose telephone number is 571-272-2265. The examiner can normally be reached on M-Thur 7:00-5:30.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jay M. Patidar Primary Examiner

Art Unit 2862

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February 10, 2005